

Estimate – an answer close to, or approximating, an exact answer



About how much candy is in the jar?

About 20 pieces

Extended Facts — multiplication facts that are derived from basic facts

$$6 * 8 = 48$$

So

$$6 * 80 = 480$$

$$60 * 80 = 4,800$$

$$6,000 * 8 = 48,000$$

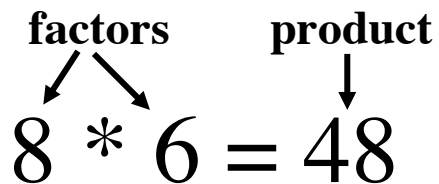
Factor — each of the two or more numbers in a product; as a verb, it also means to represent a number as a product of factors

$$\begin{array}{ccc} \text{factors} & & \text{product} \\ \swarrow & \searrow & \downarrow \\ 8 * 6 = 48 \end{array}$$

Parentheses — brackets used to set off two or more numbers being added, subtracted, multiplied or divided; in order of operations, expressions inside parentheses are calculated first

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Product – the result of multiplying two numbers, called factors



A diagram illustrating the components of a multiplication equation. The equation is $8 * 6 = 48$. Above the number 8 is the word "factors" with an arrow pointing down to 8. Above the number 6 is also the word "factors" with an arrow pointing down to 6. Above the number 48 is the word "product" with an arrow pointing down to 48.

$$\begin{array}{ccc} \text{factors} & & \text{product} \\ \swarrow \quad \searrow & & \downarrow \\ 8 * 6 = 48 \end{array}$$

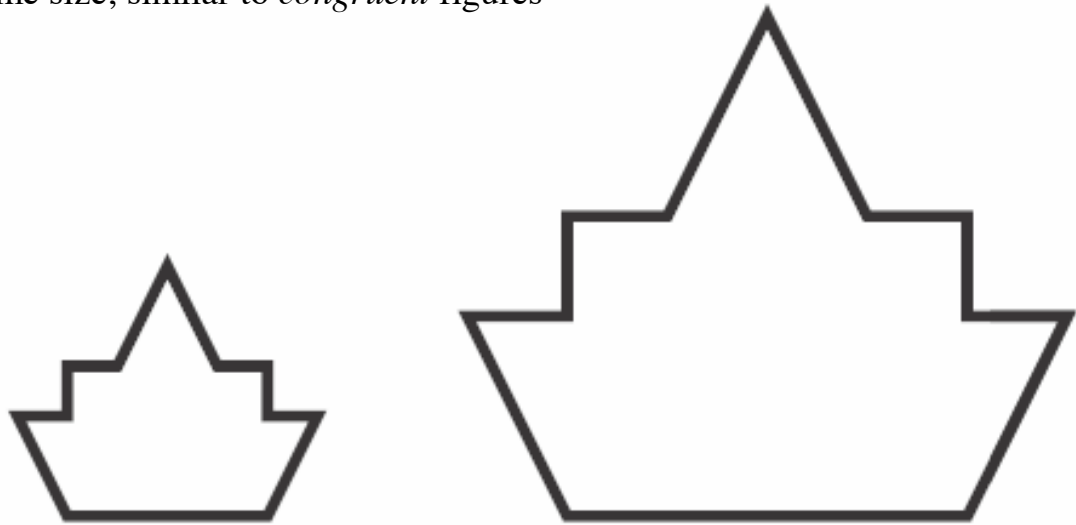
Range – the difference between the maximum and the minimum in a set of data

Maximum is 36

Minimum is 17

Range = 36 – 17 = 19

Similar Figures – figures that have the same shape, but not necessarily the same size; similar to *congruent* figures



Square Number/Square Products – figurative numbers that are the product of a counting number and itself



$$4 * 4 = 16$$



$$3 * 3 = 9$$



$$2 * 2 = 4$$